

Special Issue

Nose-To-Brain Drug Delivery System

Message from the Guest Editor

In order to develop therapeutic drugs for the central nervous system diseases, it is very important to establish a drug delivery system (DDS) for the transport of drugs into the brain that can be applied to various drug modalities. In recent years, nasal administration has attracted attention as a nose-to-brain drug delivery method that provides a direct delivery route to the brain without needing to go through the blood–brain barrier. In addition, the number of reports that shows that nanocarriers enhance nose-to-brain drug delivery has been increasing in recent years.

This Special Issue would like to drive the establishment of a universal nose-to-brain DDS by showcasing the latest nanocarrier-based nose-to-brain DDS research considering theoretical aspects according to the physical structure of the nasal mucosal barrier and drug transport route/mechanisms from nasal mucosa to the brain, and targeted area/cells in the brain suitable for targeted CNS disorders.

Guest Editor

Dr. Takanori Kanazawa

School of Pharmaceutical Sciences, Department of Pharmaceutical Engineering and Drug Delivery Sciences, University of Shizuoka, Shizuoka, Japan

Deadline for manuscript submissions

closed (31 May 2021)



Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/45309

Pharmaceutics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pharmaceutics@mdpi.com

[mdpi.com/journal/
pharmaceutics](https://mdpi.com/journal/pharmaceutics)





Pharmaceutics

an Open Access Journal
by MDPI

Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



[mdpi.com/journal/
pharmaceutics](https://mdpi.com/journal/pharmaceutics)



About the Journal

Message from the Editor-in-Chief

Pharmaceutics (ISSN 1999-4923) is an online open access journal on the science and technology of pharmaceutics and biopharmaceutics. The scientific community, the wider community and the general public have unlimited and free access to the content as soon as a paper is published; this open access to your research ensures your findings are shared with the widest possible audience. Please consider publishing your impressive work in this high quality journal. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Patrick J. Sinko
Department of Pharmaceutics, Ernest Mario School of Pharmacy,
Rutgers University, Piscataway, NJ 08854, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1
(Pharmaceutical Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 3.3 days (median values for papers published in this journal in the first half of 2025).